Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
Data File : BN017815.D
Acq On : 09 Dec 2021 01:36
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 10 01:50:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 08 01:18:09 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	22659	0.40	ng	0.00
7) Naphthalene-d8	10.494	136	97335	0.40	ng	0.00
13) Acenaphthene-d10	14.347	164	63014	0.40	ng	0.00
19) Phenanthrene-d10	17.092	188	129372	0.40	ng	0.00
29) Chrysene-d12	21.293	240	123226	0.40	ng	# 0.01
35) Perylene-d12	23.589	264	97526	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.326	112	21087	0.39	ng	0.00
5) Phenol-d6	6.903	99	21242	0.41	ng	0.00
8) Nitrobenzene-d5	8.859	82	24170	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.089	152	71898	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	8310	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	91762	0.40	ng	0.00
27) Fluoranthene-d10	19.129	212	172505	0.40	ng	0.00
31) Terphenyl-d14	19.735	244	115439	0.44	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	2748	0.33	ng	# 100
3) n-Nitrosodimethylamine	3.602	42	9421	0.40	ng	98
6) bis(2-Chloroethyl)ether	7.143	93	24699	0.42	ng	100
9) Naphthalene	10.544	128	97199	0.38	ng	100
10) Hexachlorobutadiene	10.836	225	27936	0.38	ng	# 100
12) 2-Methylnaphthalene	12.165	142	68452	0.37	ng	100
16) Acenaphthylene	14.055	152	94489	0.38	ng	100
17) Acenaphthene	14.398	154	66555	0.40	ng	100
18) Fluorene	15.387	166	83924	0.40	ng	100
20) 4,6-Dinitro-2-methylph...	15.502	198	233	0.24	ng	98
21) 4-Bromophenyl-phenylether	16.289	248	30047	0.38	ng	96
22) Hexachlorobenzene	16.399	284	38502	0.41	ng	99
23) Atrazine	16.557	200	18935	0.33	ng	99
24) Pentachlorophenol	16.764	266	2944	0.36	ng	99
25) Phenanthrene	17.129	178	136313	0.40	ng	99
26) Anthracene	17.226	178	114564	0.38	ng	100
28) Fluoranthene	19.159	202	171248	0.41	ng	100
30) Pyrene	19.521	202	182835	0.47	ng	100
32) Benzo(a)anthracene	21.272	228	147017	0.39	ng	99
33) Chrysene	21.325	228	156285	0.39	ng	100
34) Bis(2-ethylhexyl)phtha...	21.218	149	58245	0.34	ng	100
36) Indeno(1,2,3-cd)pyrene	25.951	276	85202	0.32	ng	99
37) Benzo(b)fluoranthene	22.891	252	133404	0.40	ng	100
38) Benzo(k)fluoranthene	22.938	252	131711	0.42	ng	100
39) Benzo(a)pyrene	23.486	252	115167	0.39	ng	99
40) Dibenzo(a,h)anthracene	25.971	278	59873	0.29	ng	99
41) Benzo(g,h,i)perylene	26.669	276	74063	0.33	ng	100

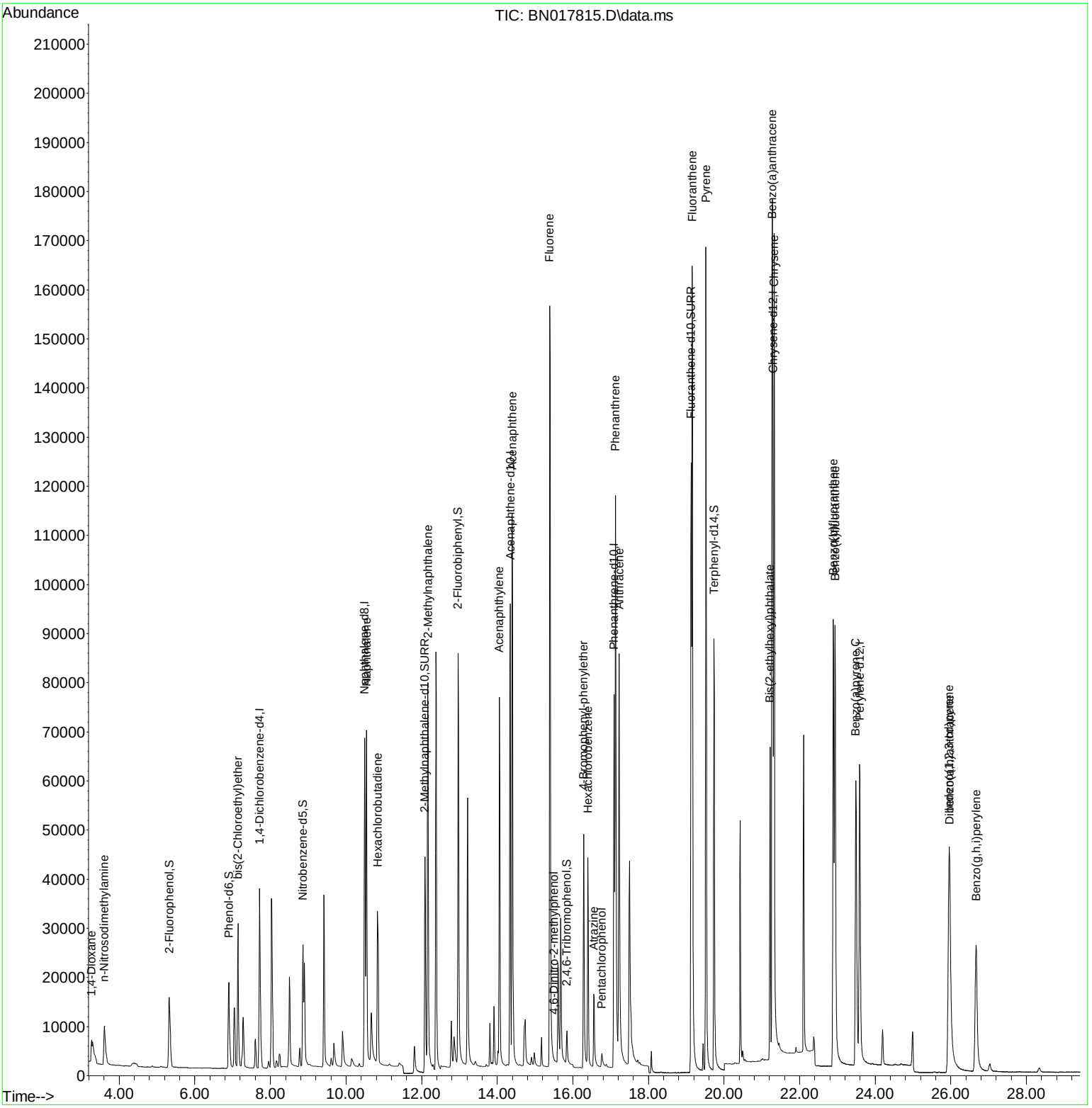
(#) = qualifier out of range (m) = manual integration (+) = signals summed

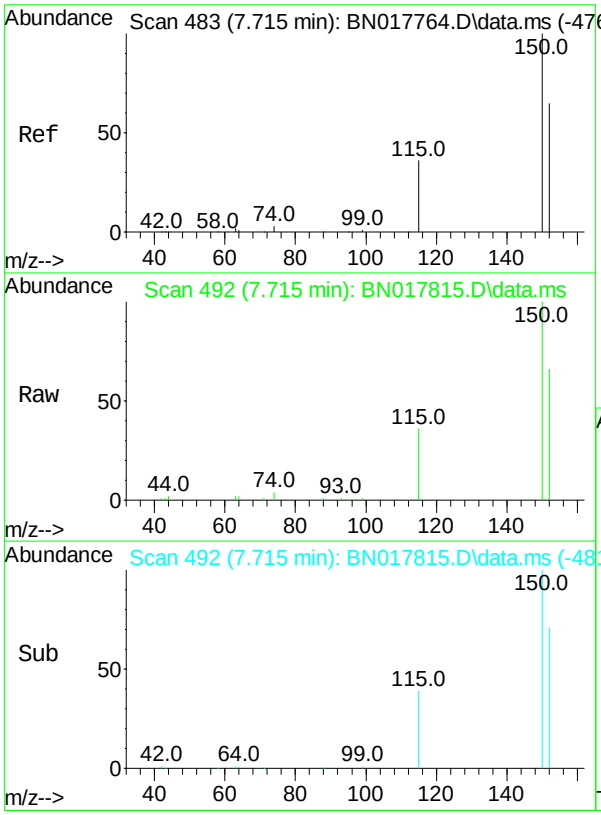
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
Data File : BN017815.D
Acq On : 09 Dec 2021 01:36
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 10 01:50:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 08 01:18:09 2021
Response via : Initial Calibration



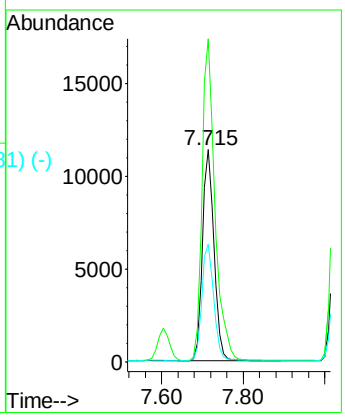


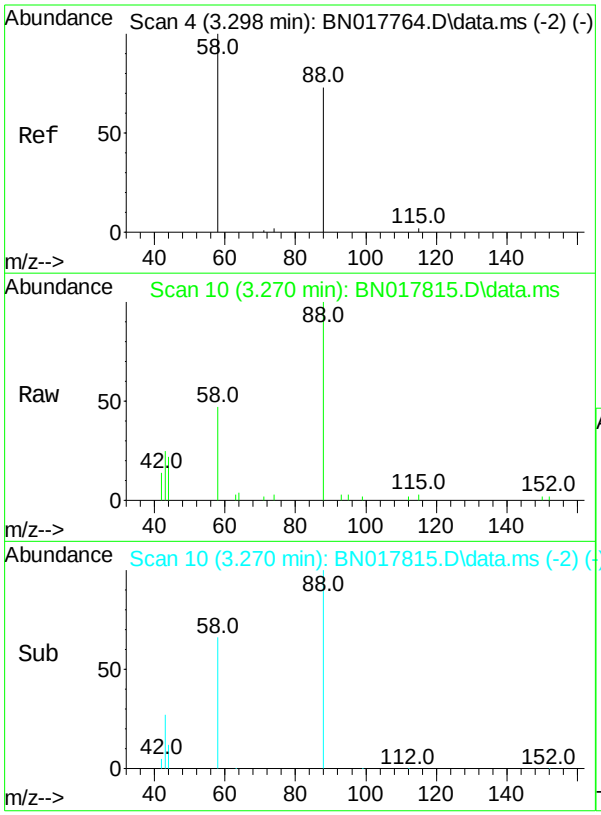
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 22659

Ion	Ratio	Lower	Upper
152	100		
150	152.2	123.0	184.4
115	55.3	45.3	67.9

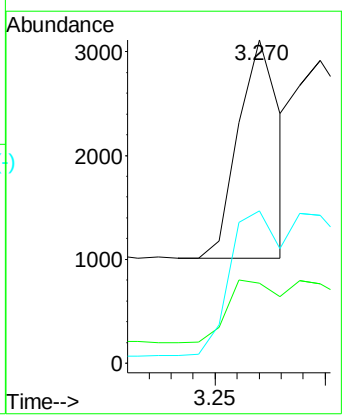


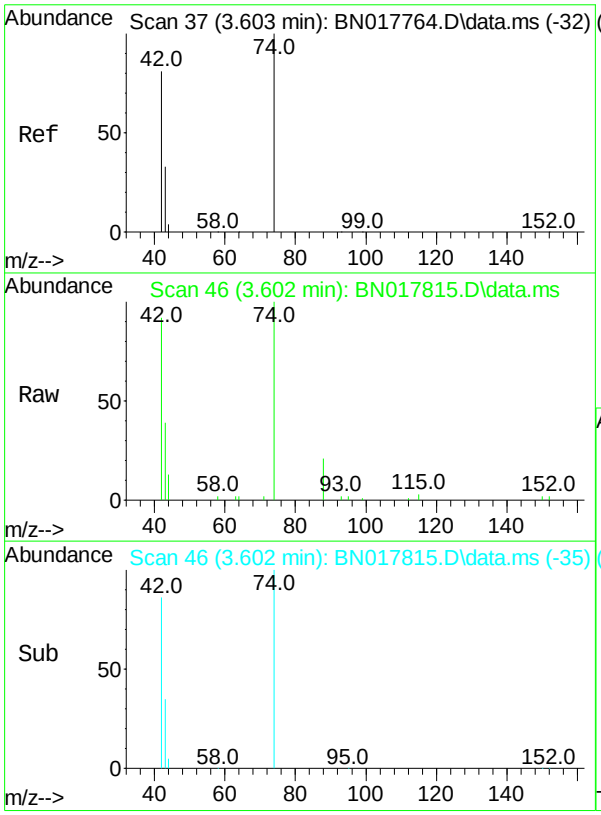


#2
1,4-Dioxane
Concen: 0.33 ng
RT: 3.270 min Scan# 10
Delta R.T. -0.028 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion: 88 Resp: 2748

Ion	Ratio	Lower	Upper
88	100		
43	36.1	0.0	0.0#
58	81.3	0.0	0.0#



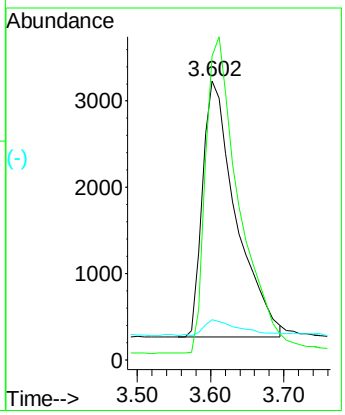


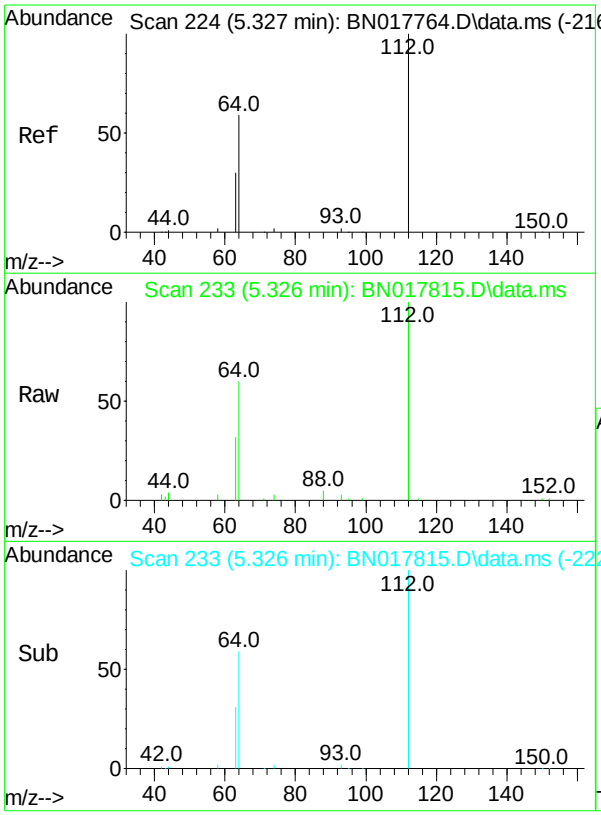
#3
n-Nitrosodimethylamine
Concen: 0.40 ng
RT: 3.602 min Scan# 4
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 9421

Ion	Ratio	Lower	Upper
42	100		
74	123.8	101.3	151.9
44	6.5	5.0	7.4

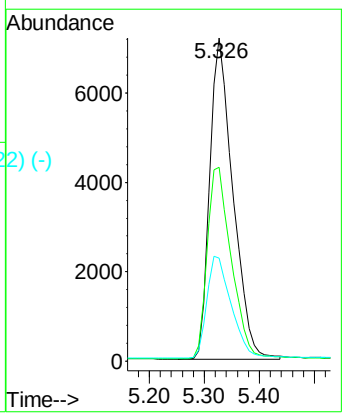


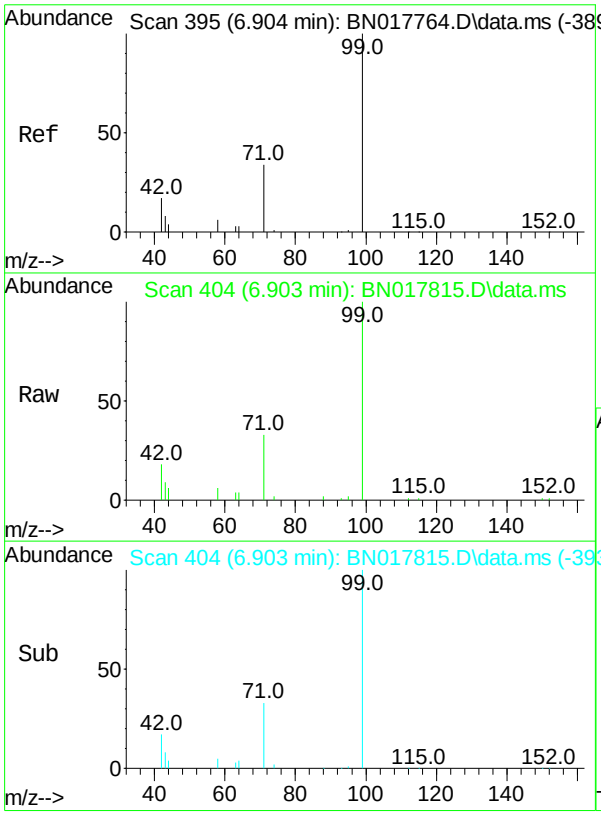


#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.326 min Scan# 233
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:112 Resp: 21087

Ion	Ratio	Lower	Upper
112	100		
64	61.7	49.3	73.9
63	33.0	25.8	38.8



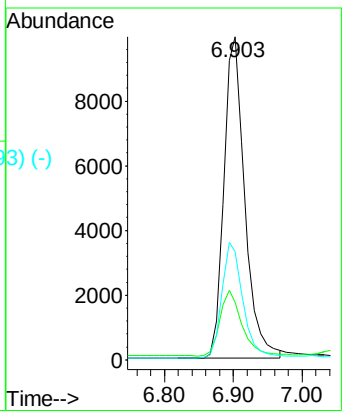


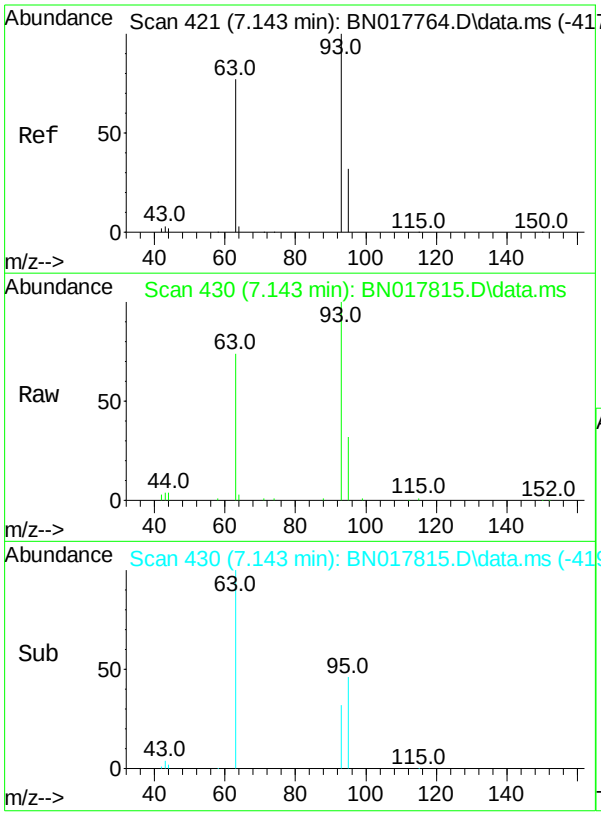
#5
Phenol-d6
Concen: 0.41 ng
RT: 6.903 min Scan# 4
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 21242

Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.6	25.0
71	36.2	29.0	43.4

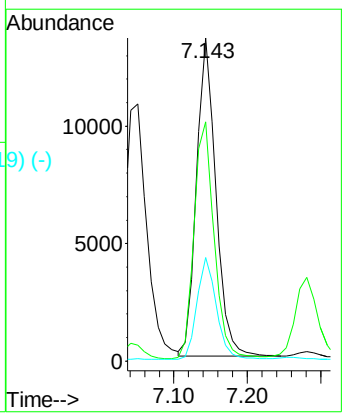


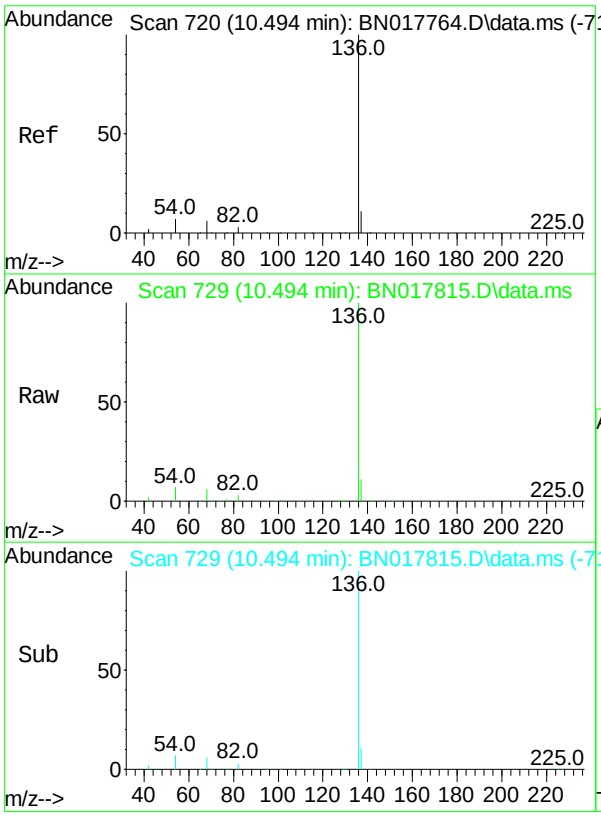


#6
bis(2-Chloroethyl)ether
Concen: 0.42 ng
RT: 7.143 min Scan# 430
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion: 93 Resp: 24699

Ion	Ratio	Lower	Upper
93	100		
63	77.6	62.0	93.0
95	32.4	26.4	39.6



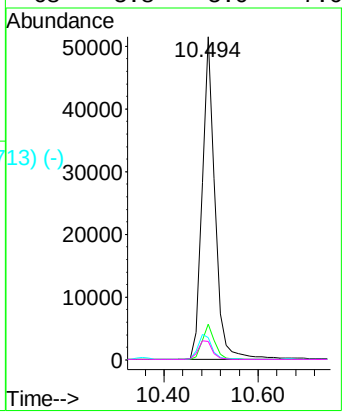


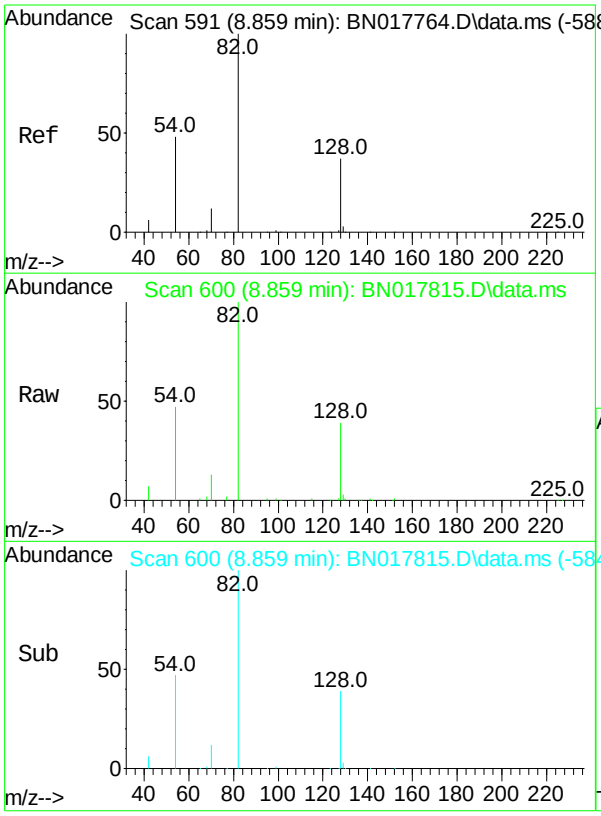
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.494 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 97335

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.8	5.9	8.9
68	5.8	5.0	7.6

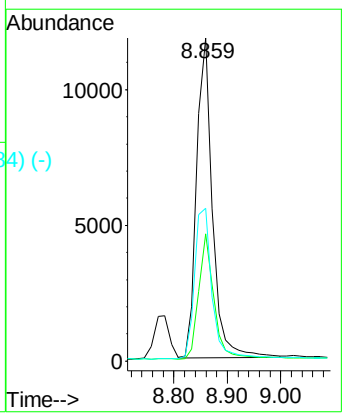


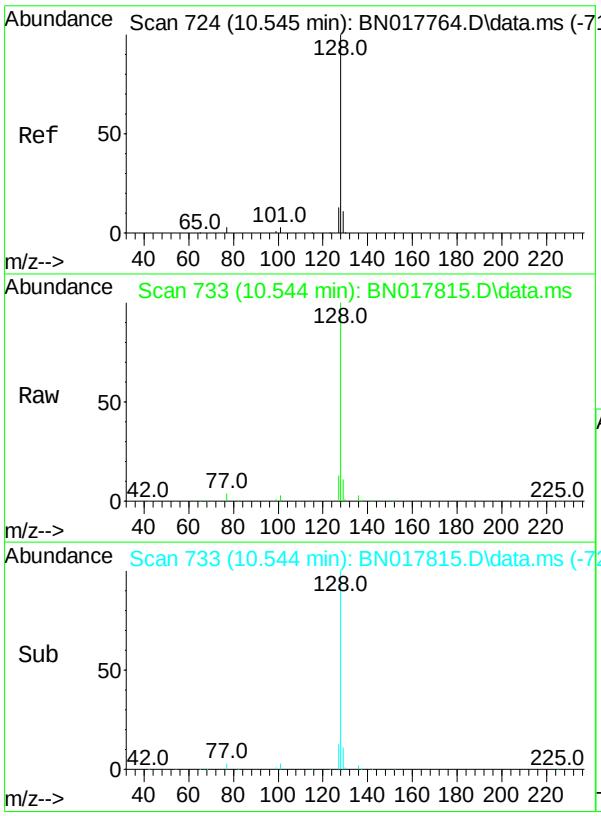


#8
Nitrobenzene-d5
Concen: 0.37 ng
RT: 8.859 min Scan# 600
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion: 82 Resp: 24170

Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.2	45.2
54	47.3	39.0	58.6



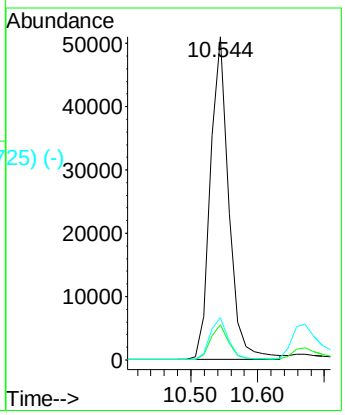


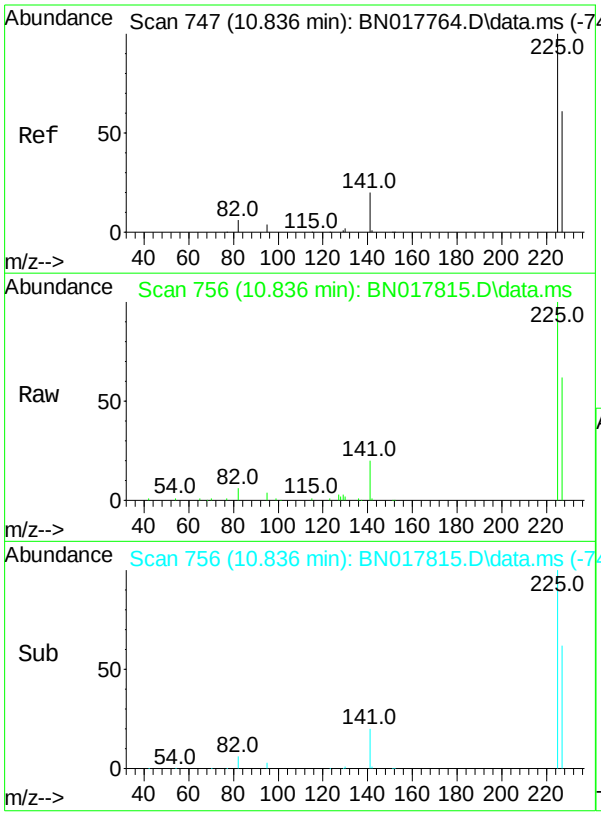
#9
Naphthalene
Concen: 0.38 ng
RT: 10.544 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 97199

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.6	15.8

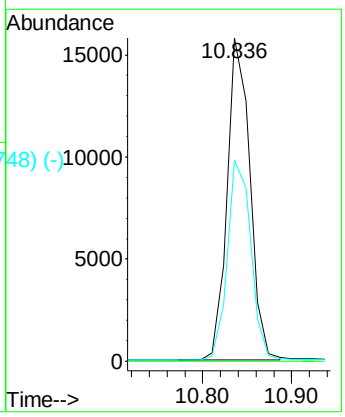


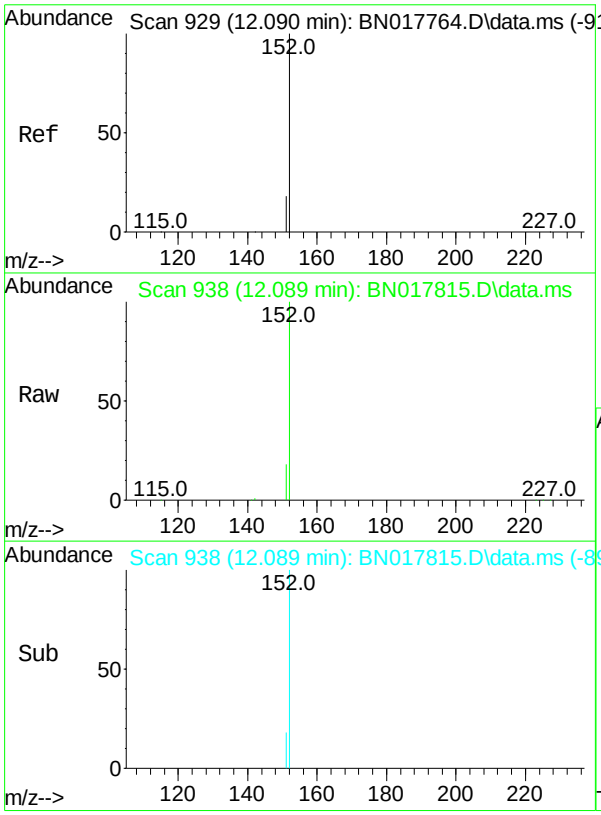


#10
Hexachlorobutadiene
Concen: 0.38 ng
RT: 10.836 min Scan# 756
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:225 Resp: 27936

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.9	76.3



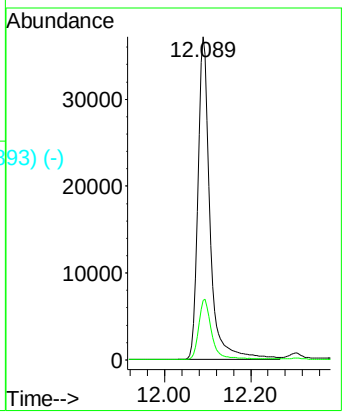


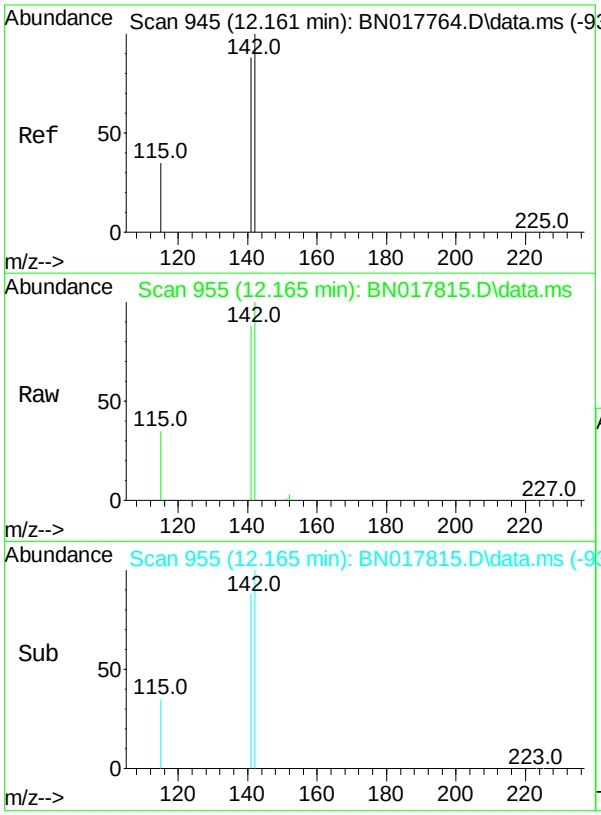
#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.089 min Scan# 9
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 71898

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6

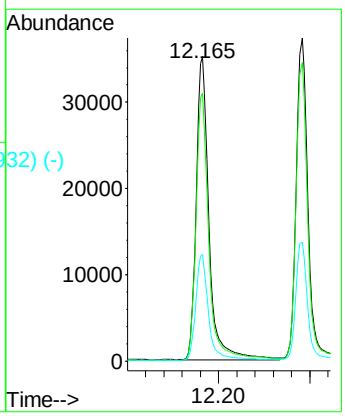


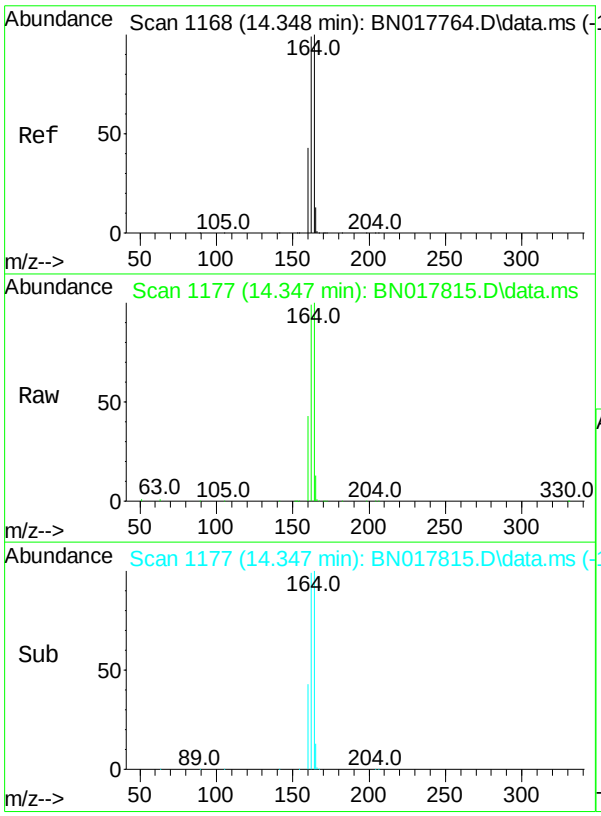


#12
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.165 min Scan# 955
Delta R.T. 0.004 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:142 Resp: 68452

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.5	105.7
115	35.0	28.0	42.0



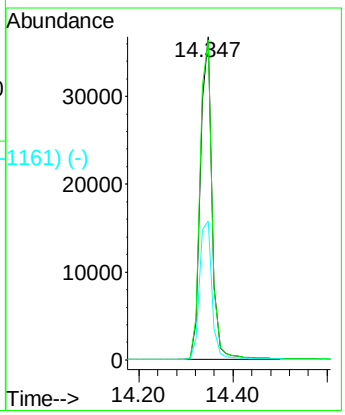


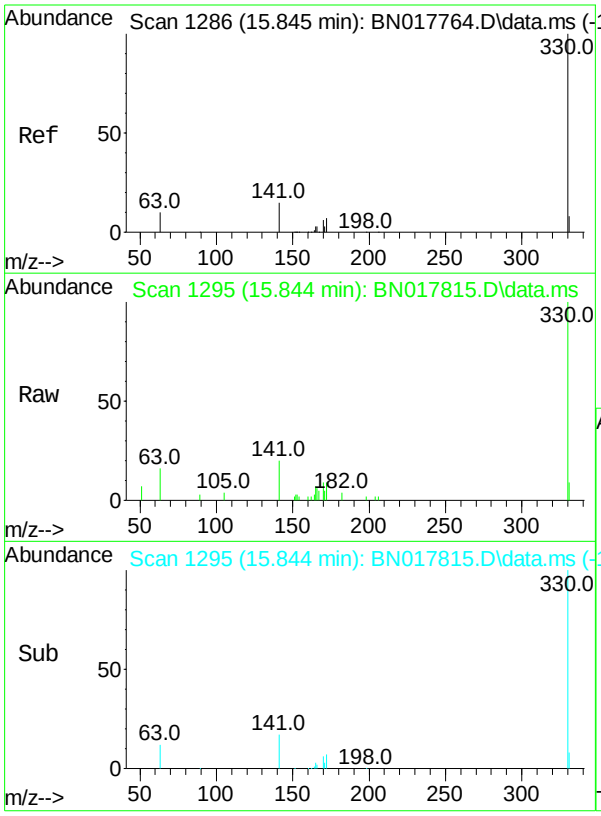
#12
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.347 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 63014

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.0	118.6
160	43.0	34.6	52.0

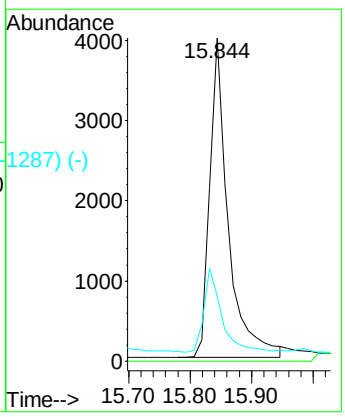


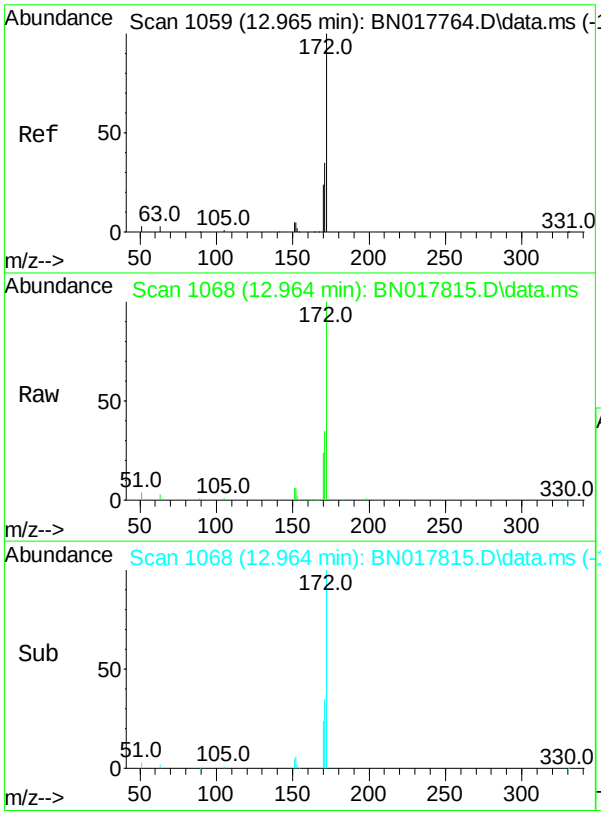


#14
2,4,6-Tribromophenol
Concen: 0.25 ng
RT: 15.844 min Scan# 1295
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:330 Resp: 8310

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	25.8	21.5	32.3



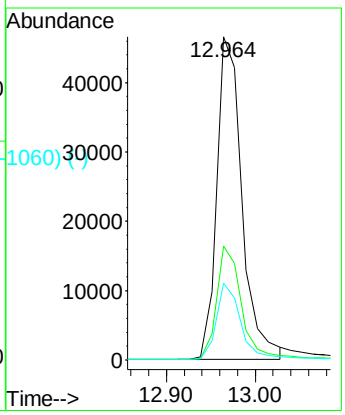


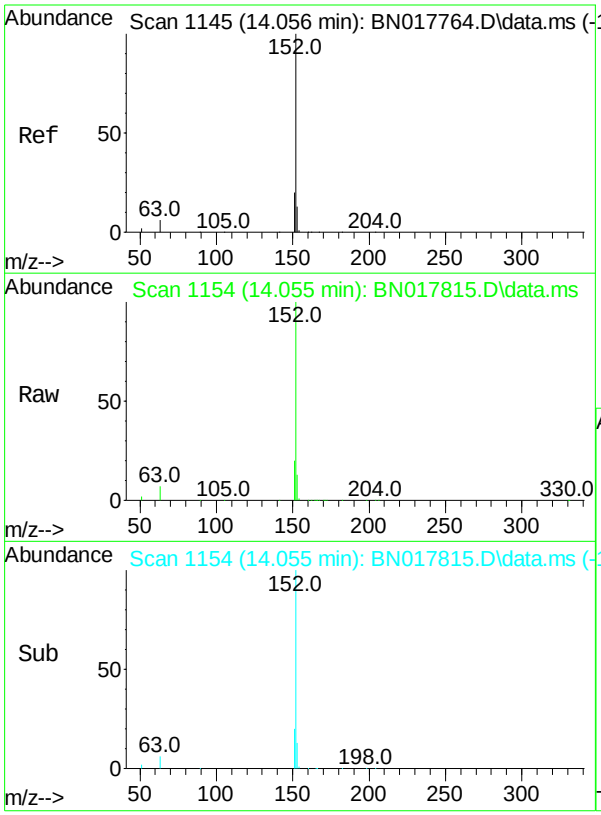
#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.964 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 91762

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.7	18.9	28.3

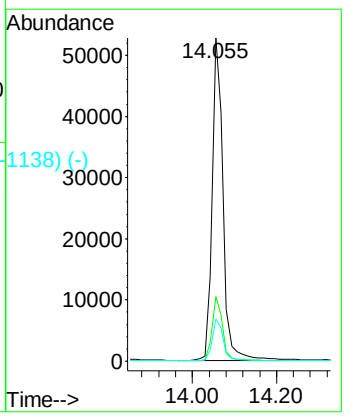


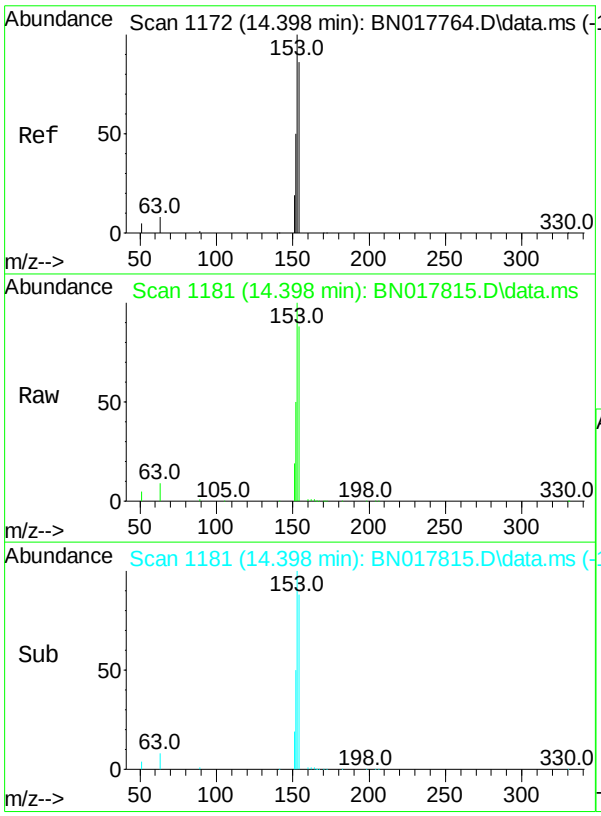


#16
Acenaphthylene
Concen: 0.38 ng
RT: 14.055 min Scan# 1154
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:152 Resp: 94489

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.0	10.4	15.6



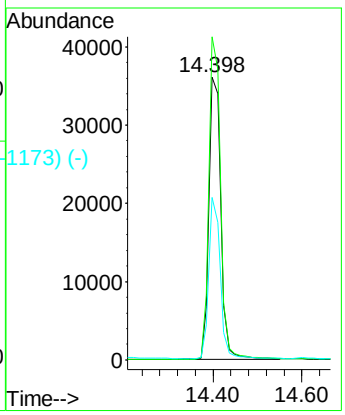


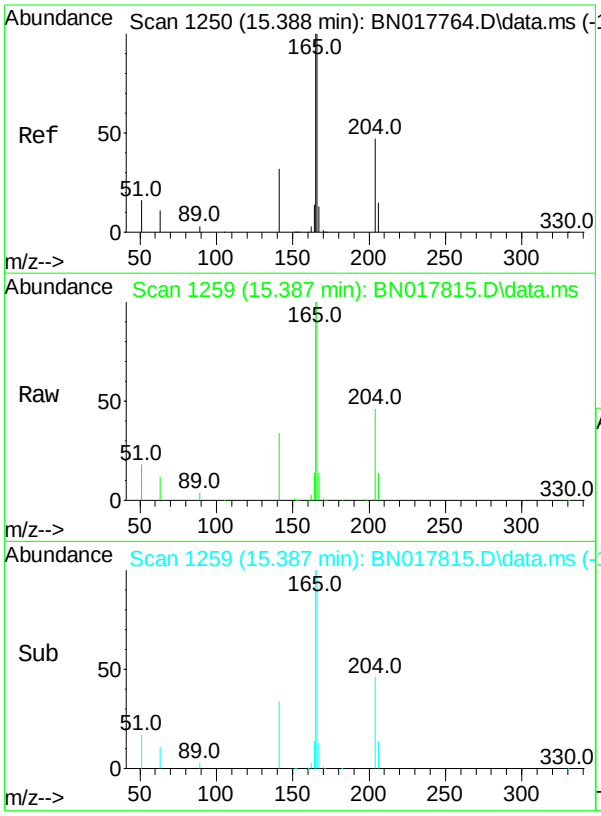
#17
Acenaphthene
Concen: 0.40 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 66555

Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.1	135.1
152	54.7	43.7	65.5

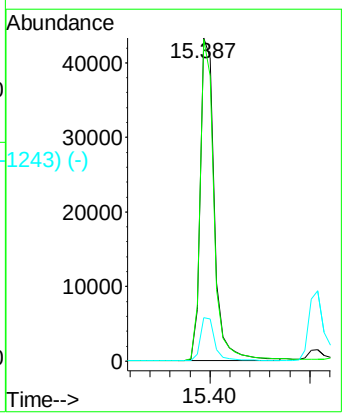


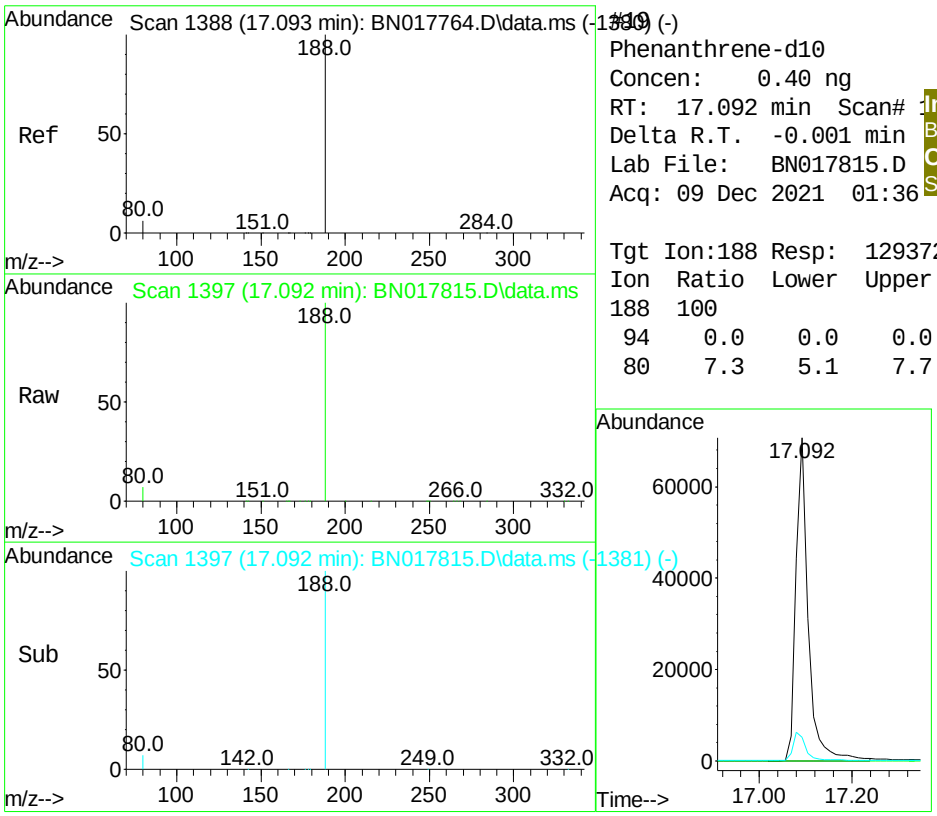


#18
Fluorene
Concen: 0.40 ng
RT: 15.387 min Scan# 1259
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:166 Resp: 83924

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	13.5	11.0	16.4



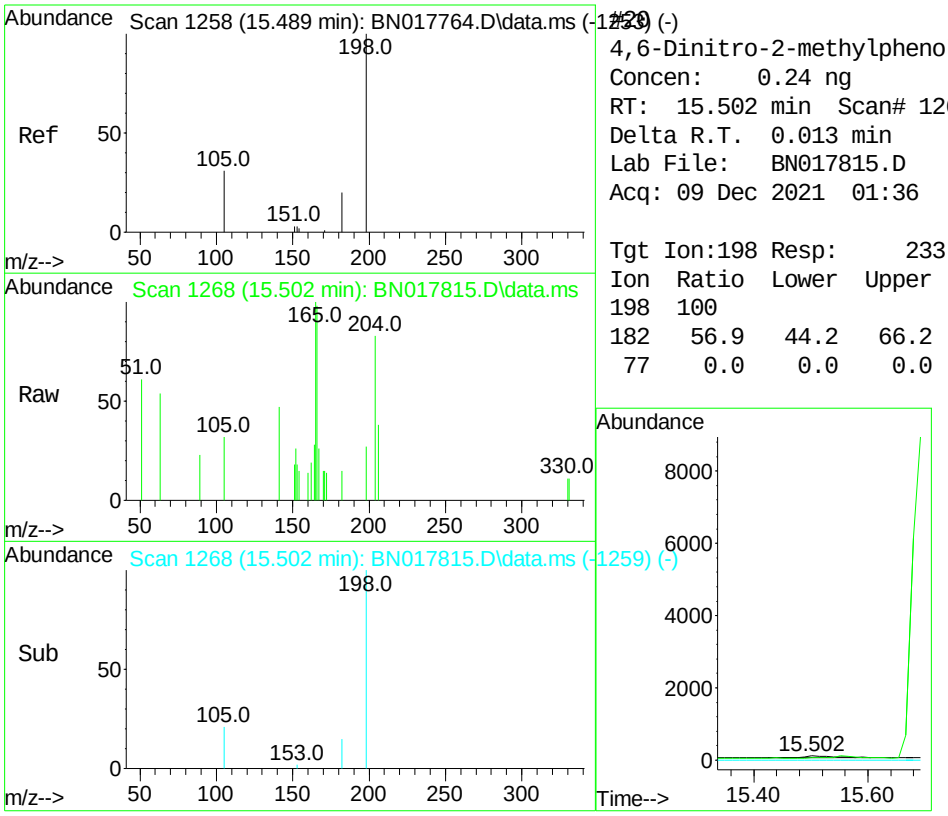


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.092 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 129372

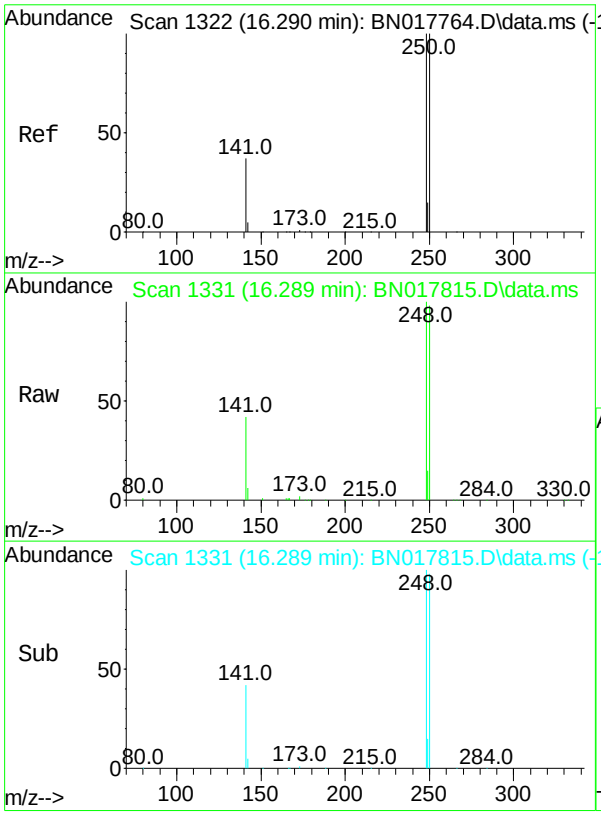
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	5.1	7.7



#20
4,6-Dinitro-2-methylphenol
Concen: 0.24 ng
RT: 15.502 min Scan# 1268
Delta R.T. 0.013 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:198 Resp: 233

Ion	Ratio	Lower	Upper
198	100		
182	56.9	44.2	66.2
77	0.0	0.0	0.0

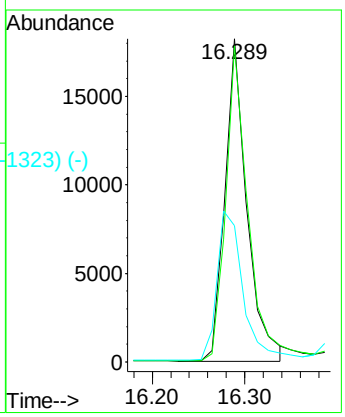


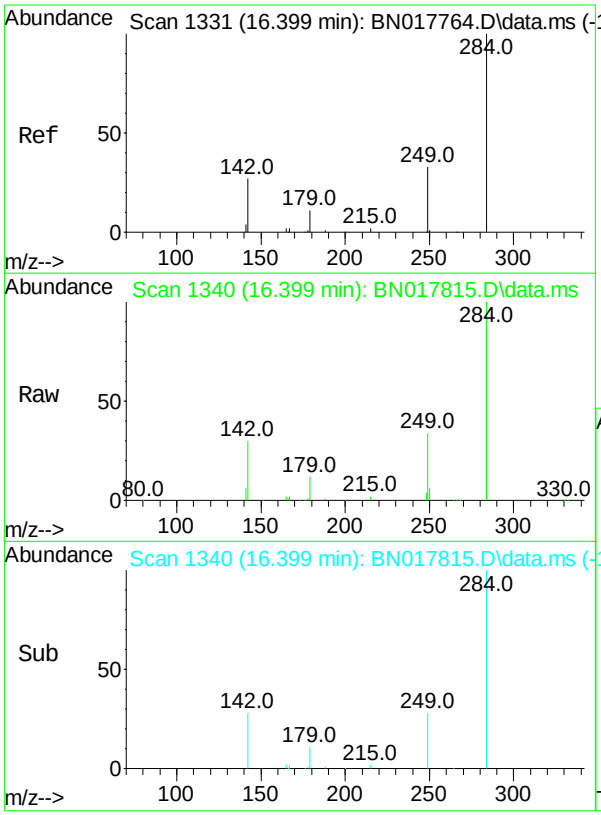
#21
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.289 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 30047

Ion	Ratio	Lower	Upper
248	100		
250	97.9	80.3	120.5
141	42.2	29.8	44.8

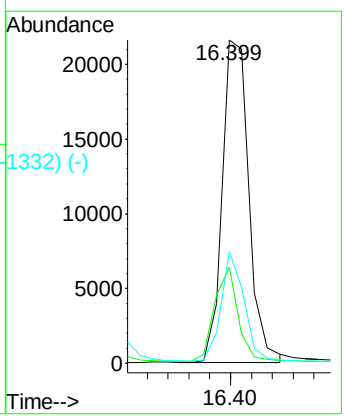


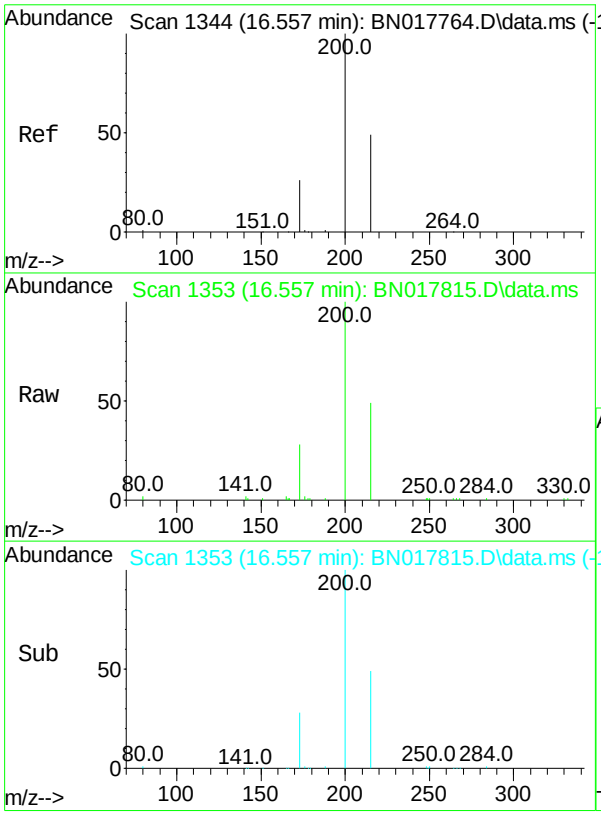


#22
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.399 min Scan# 1340
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:284 Resp: 38502

Ion	Ratio	Lower	Upper
284	100		
142	25.7	21.0	31.4
249	29.2	23.9	35.9



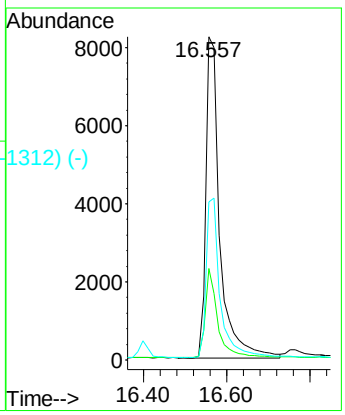


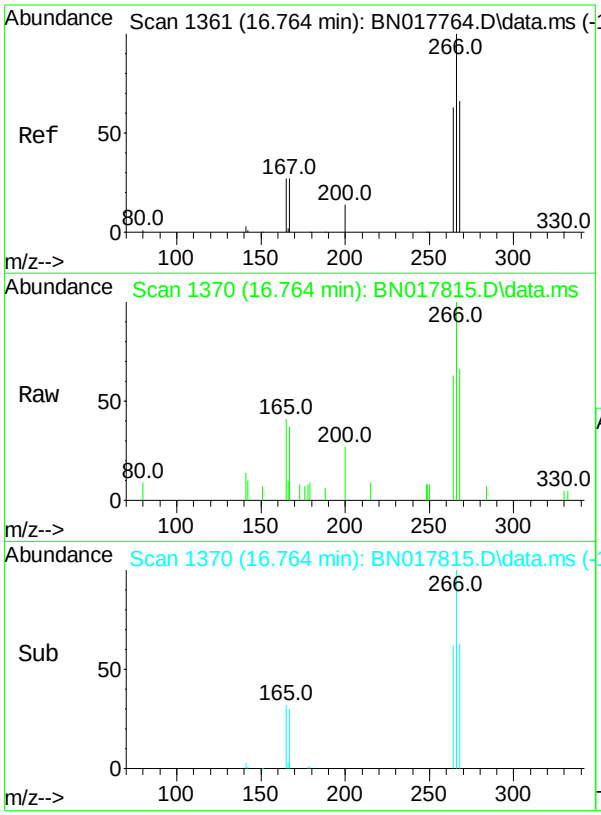
#28
Atrazine
Concen: 0.33 ng
RT: 16.557 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 18935

Ion	Ratio	Lower	Upper
200	100		
173	28.2	21.4	32.2
215	49.0	39.3	58.9

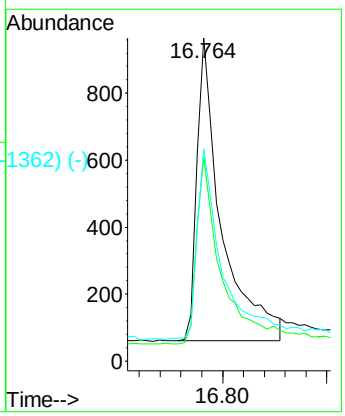


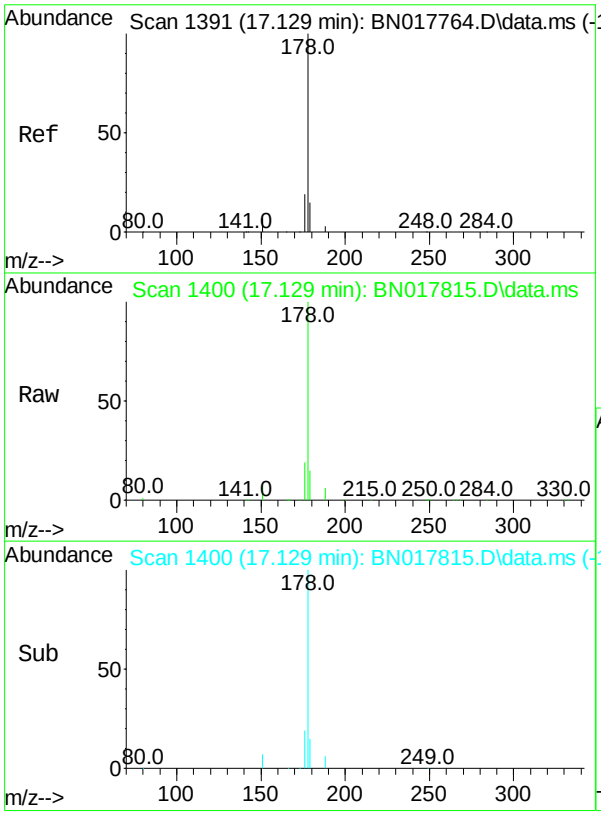


#34
Pentachlorophenol
Concen: 0.36 ng
RT: 16.764 min Scan# 1370
Delta R.T. -0.000 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:266 Resp: 2944

Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.8	76.2
268	63.9	51.8	77.6



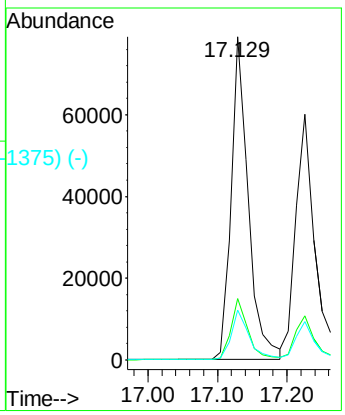


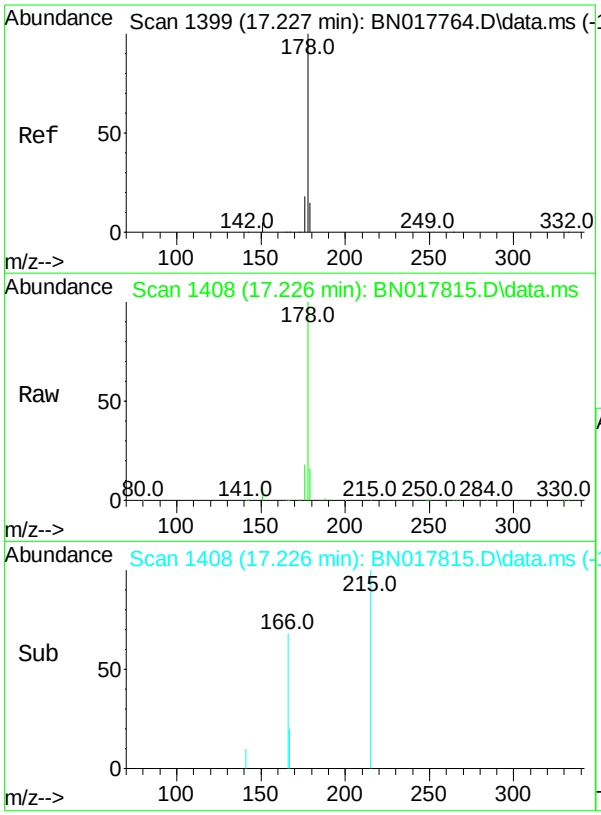
#25
Phenanthrene
Concen: 0.40 ng
RT: 17.129 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 136313

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	16.1	12.5	18.7

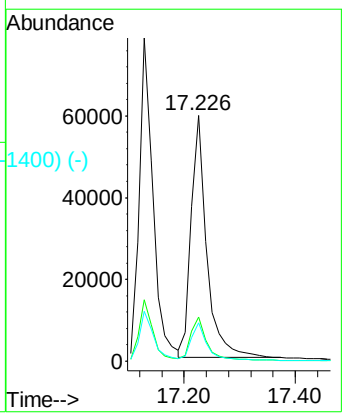


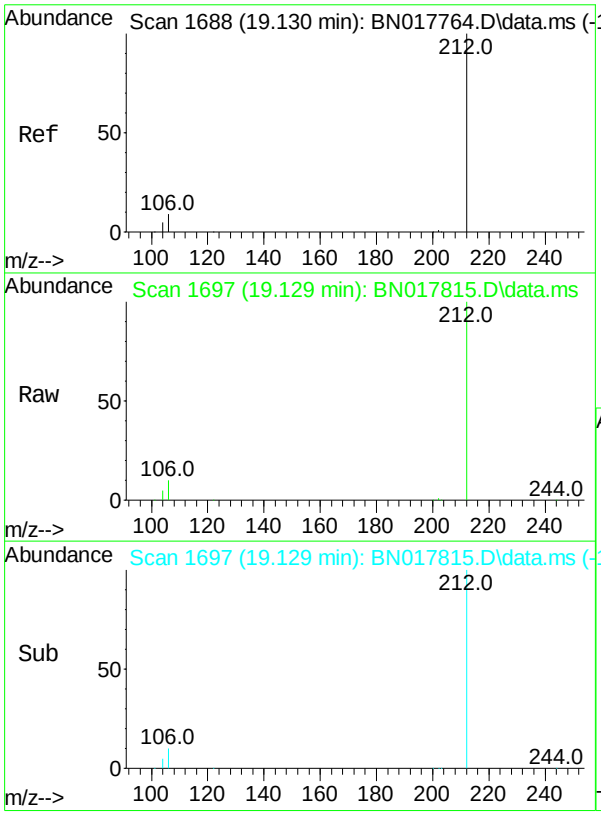


#26
Anthracene
Concen: 0.38 ng
RT: 17.226 min Scan# 1408
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:178 Resp: 114564

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.6	12.2	18.4



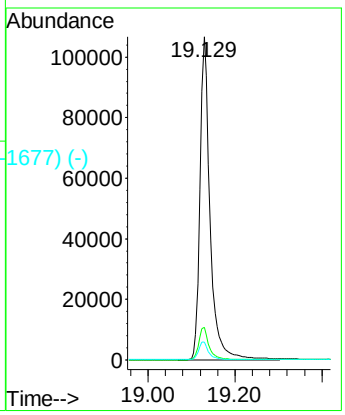


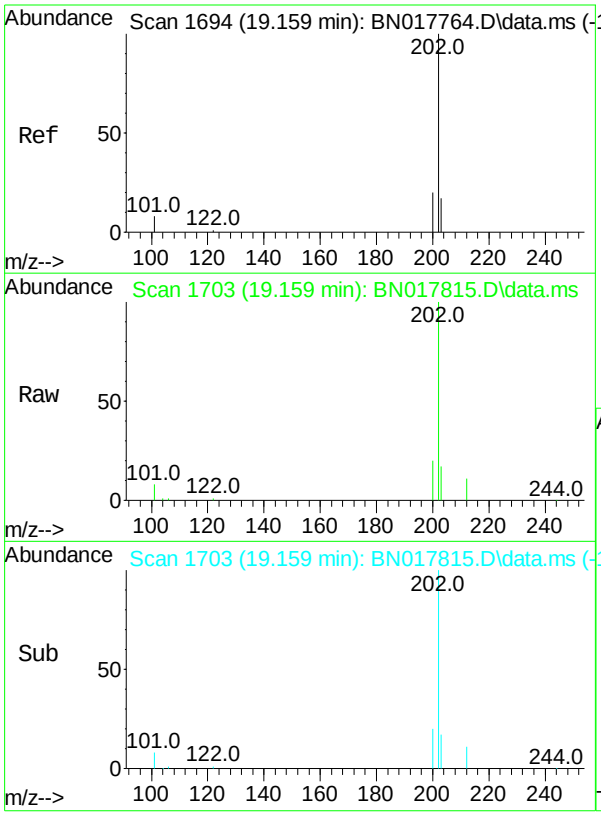
#27
Fluoranthene-d10
Concen: 0.40 ng
RT: 19.129 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 172505

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.6	4.6	6.8

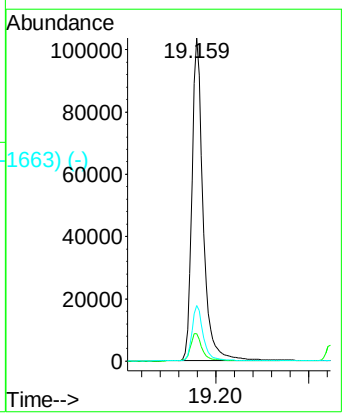


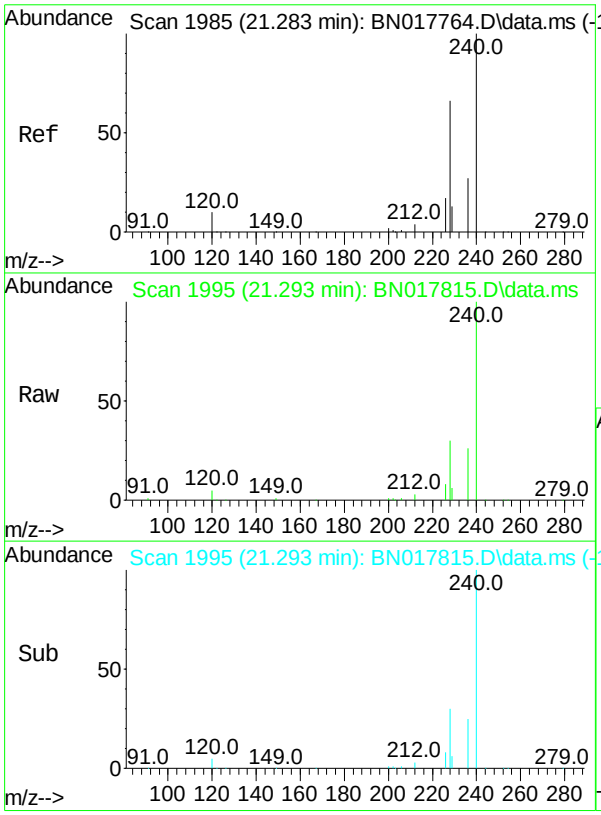


#28
Fluoranthene
Concen: 0.41 ng
RT: 19.159 min Scan# 1703
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:202 Resp: 171248

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.2	10.8
203	17.2	13.7	20.5



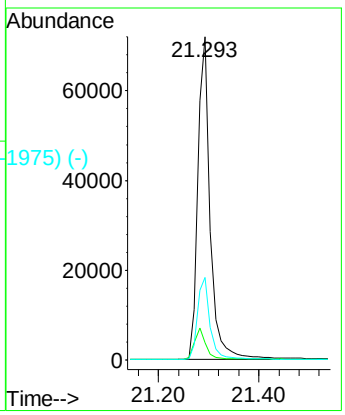


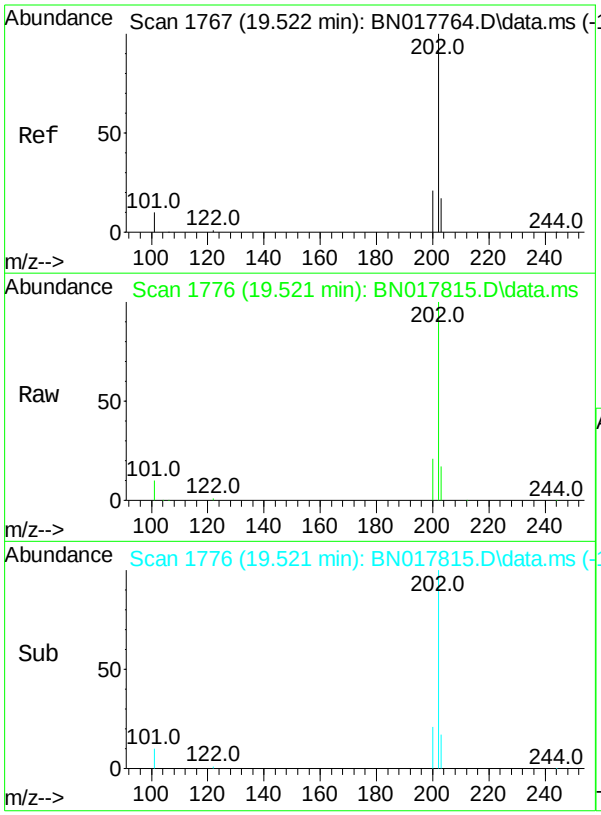
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.293 min Scan# 1
Delta R.T. 0.010 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 123226

Ion	Ratio	Lower	Upper
240	100		
120	5.4	7.9	11.9#
236	25.6	21.4	32.2

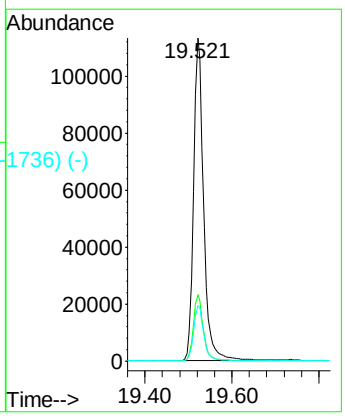


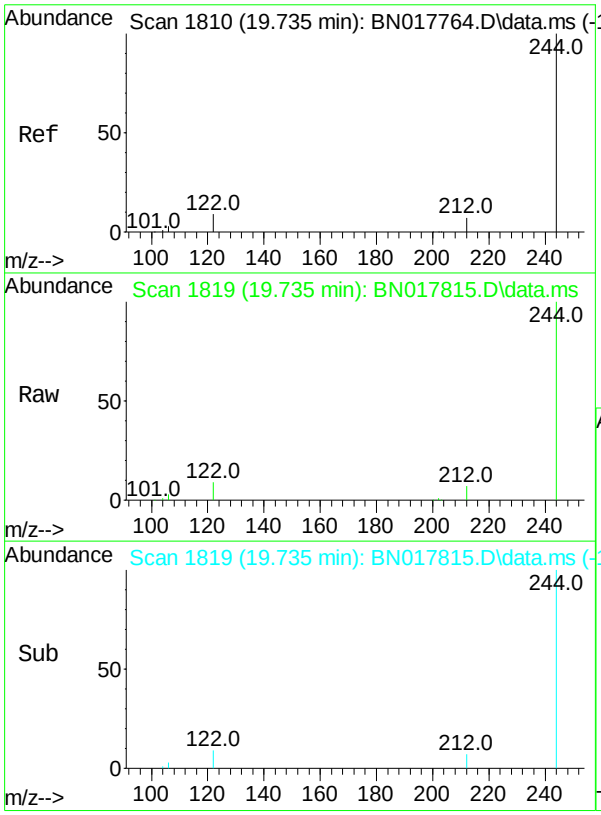


#30
Pyrene
Concen: 0.47 ng
RT: 19.521 min Scan# 1776
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:202 Resp: 182835

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.5	14.0	21.0



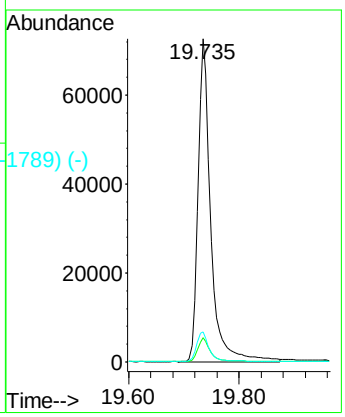


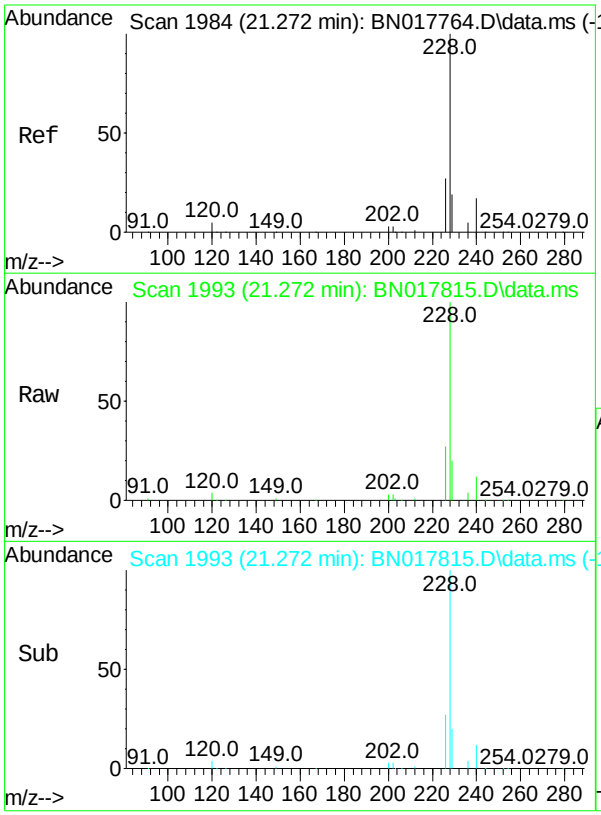
#31
Terphenyl-d14
Concen: 0.44 ng
RT: 19.735 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 115439

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	9.2	7.1	10.7

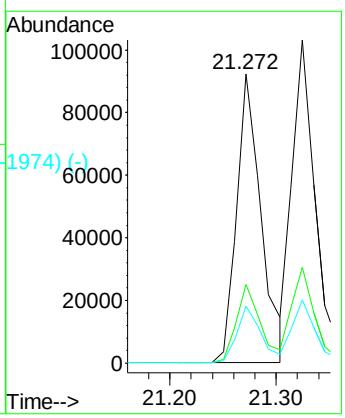


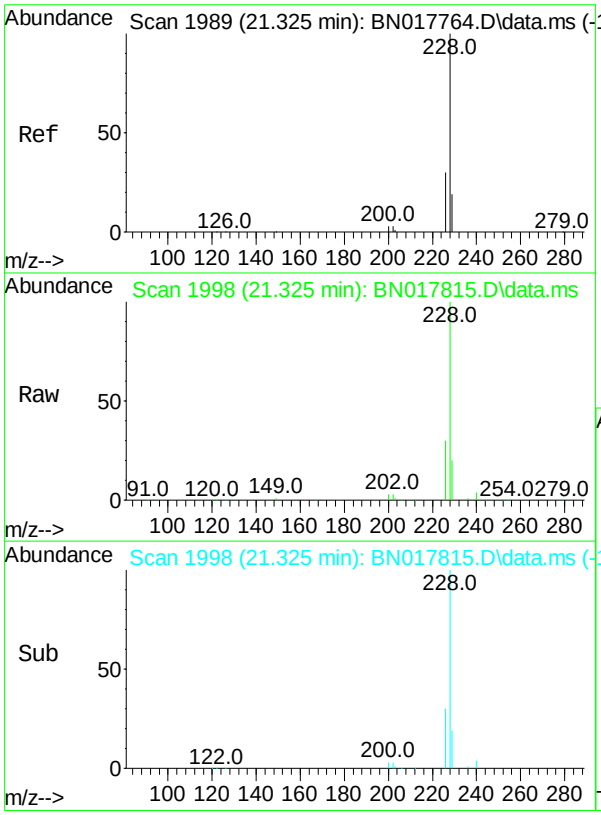


#32
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:228 Resp: 147017

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.0
229	19.6	15.7	23.5



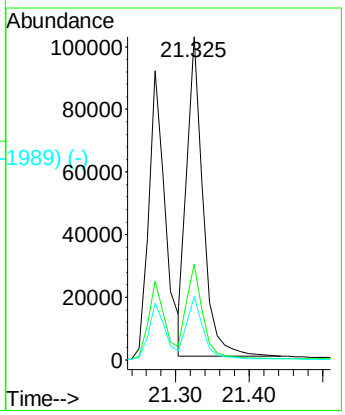


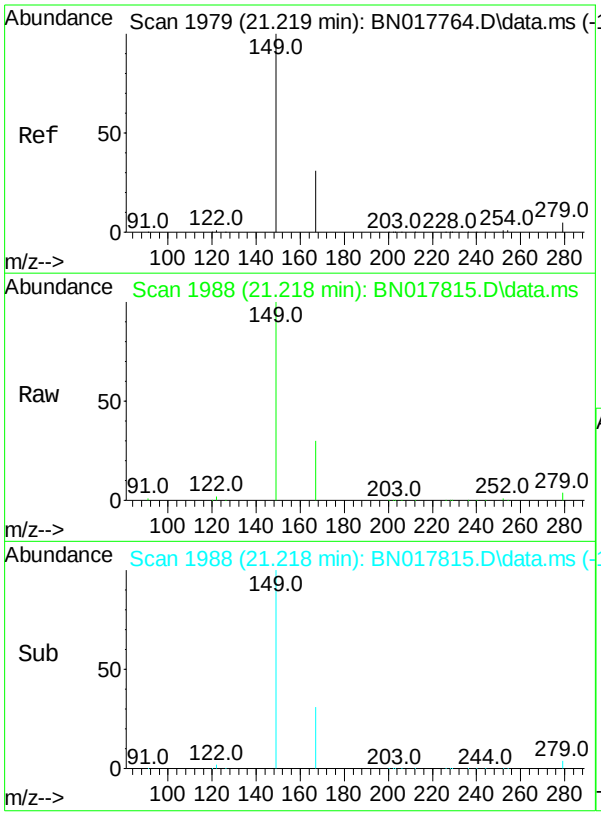
#33
Chrysene
Concen: 0.39 ng
RT: 21.325 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 156285

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.6	35.4
229	19.5	15.6	23.4

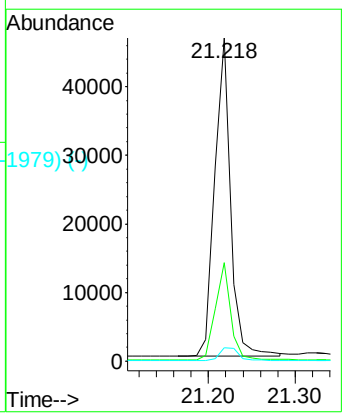


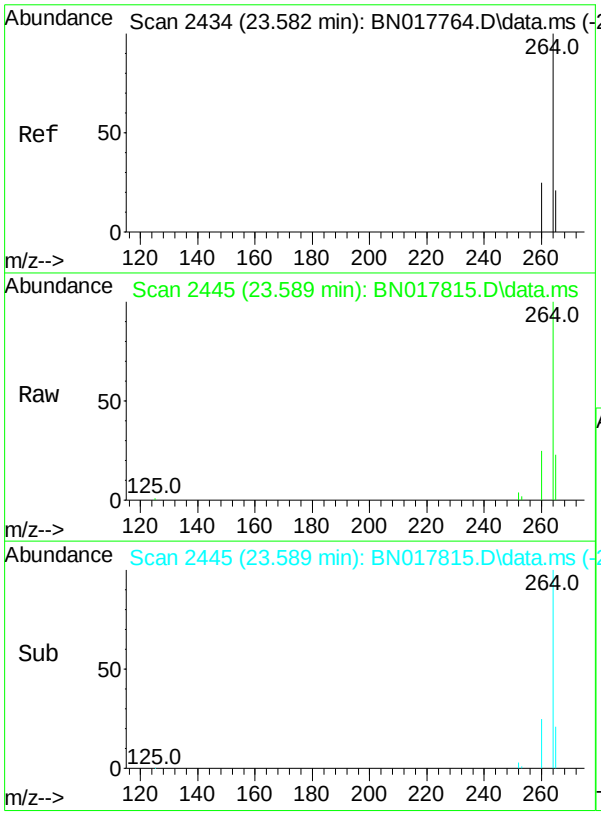


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 21.218 min Scan# 1988
Delta R.T. -0.001 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:149 Resp: 58245

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.5	35.3
279	4.8	3.8	5.6



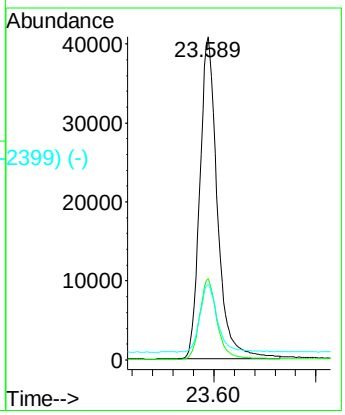


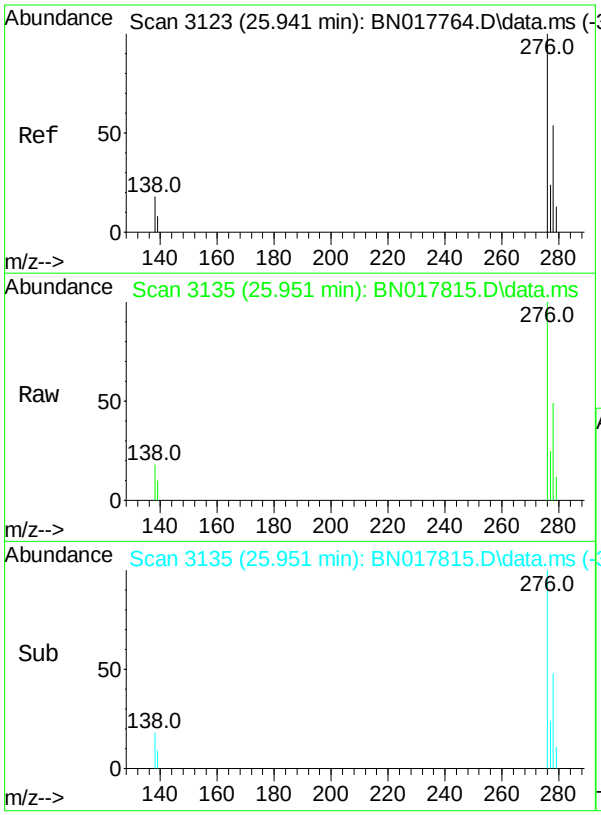
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.589 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 97526

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	23.3	20.5	30.7

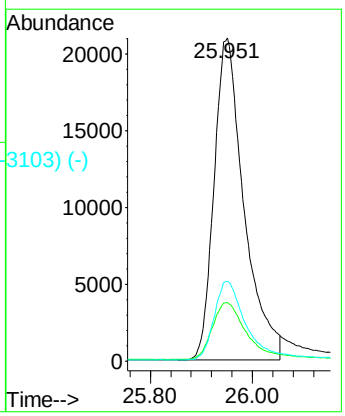


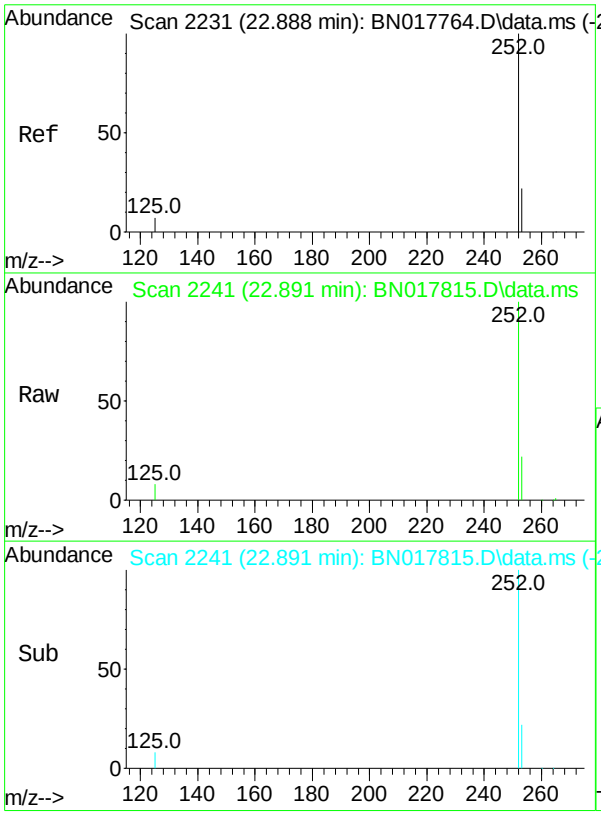


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.32 ng
RT: 25.951 min Scan# 3135
Delta R.T. 0.010 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:276 Resp: 85202

Ion	Ratio	Lower	Upper
276	100		
138	19.6	15.0	22.4
277	24.9	19.8	29.8



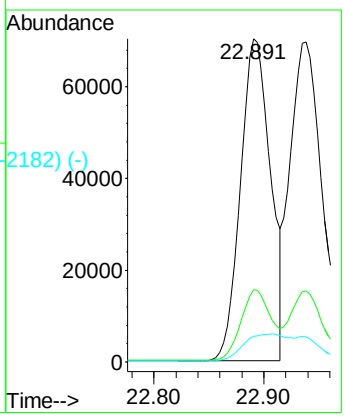


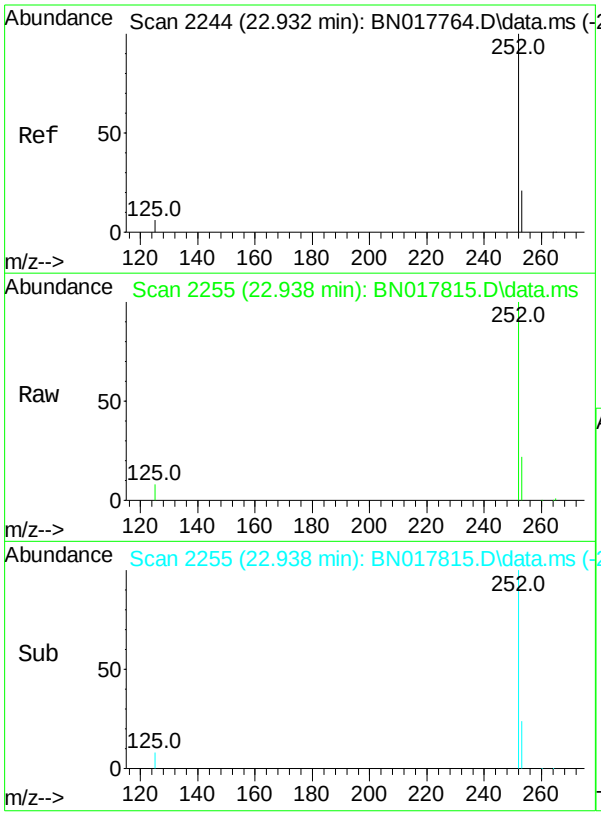
#37
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 22.891 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 133404

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	7.9	6.2	9.2

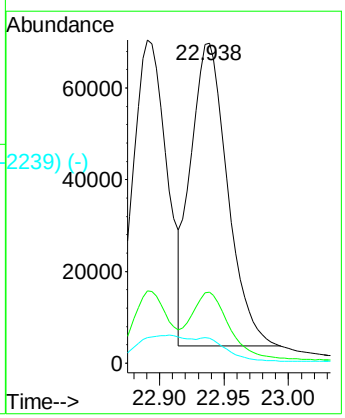


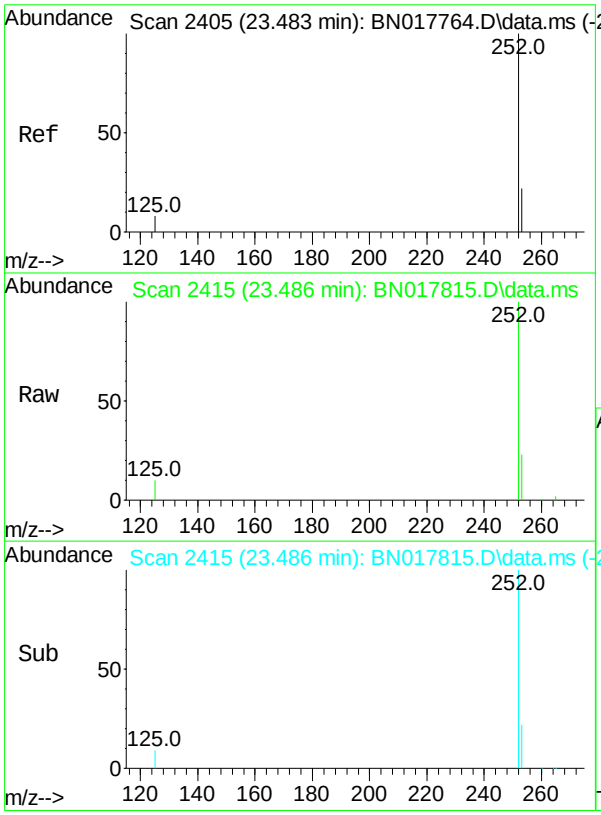


#38
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 22.938 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:252 Resp: 131711

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	7.7	6.2	9.2



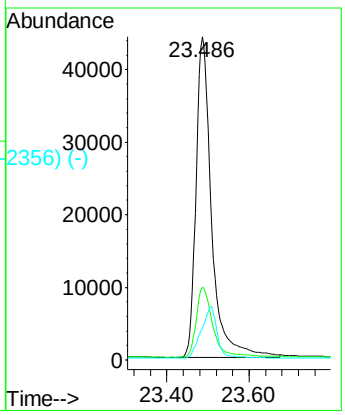


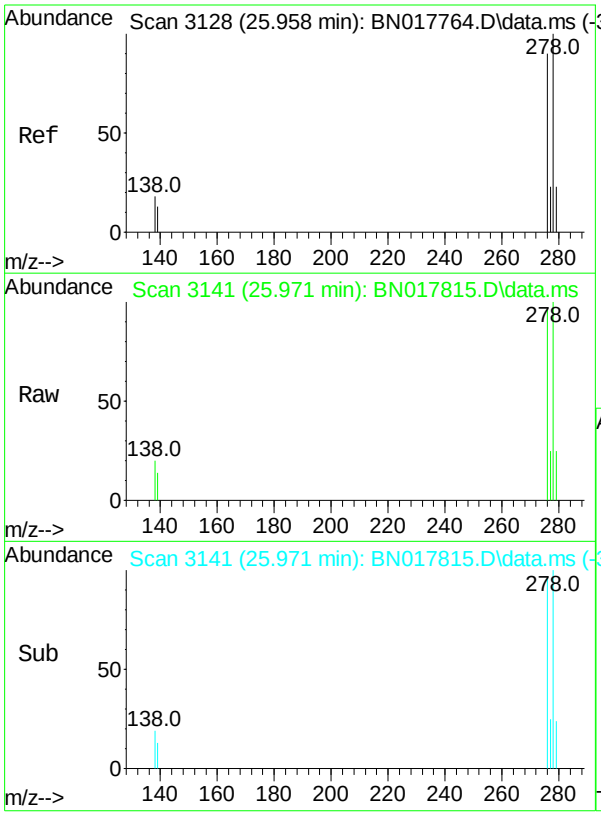
#39
Benzo(a)pyrene
Concen: 0.39 ng
RT: 23.486 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 115167

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	9.8	7.0	10.4

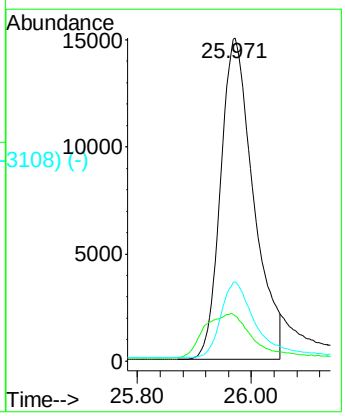


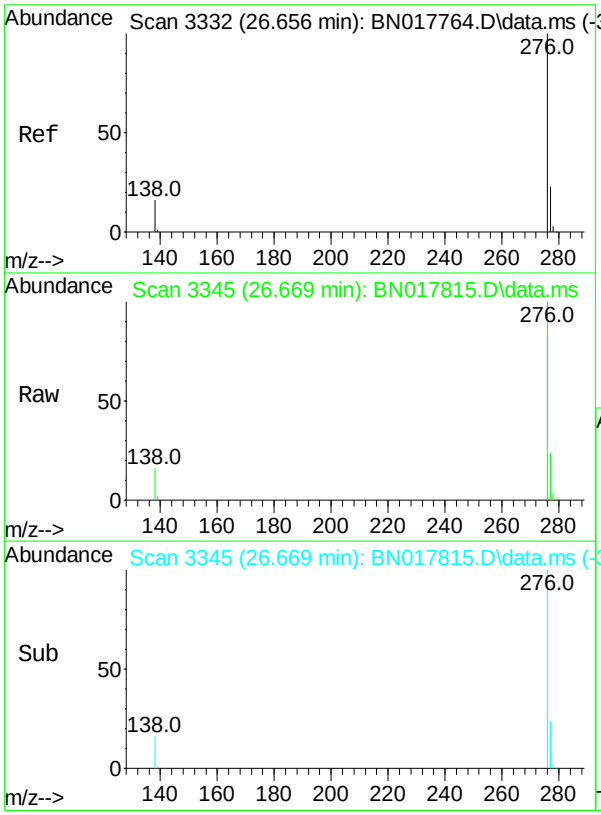


#40
Dibenzo(a,h)anthracene
Concen: 0.29 ng
RT: 25.971 min Scan# 3141
Delta R.T. 0.013 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Tgt Ion:278 Resp: 59873

Ion	Ratio	Lower	Upper
278	100		
139	14.0	10.8	16.2
279	24.6	19.1	28.7





#41
Benzo(g,h,i)perylene
Concen: 0.33 ng
RT: 26.669 min Scan# 1
Delta R.T. 0.013 min
Lab File: BN017815.D
Acq: 09 Dec 2021 01:36

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 74063

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	16.4	13.2	19.8